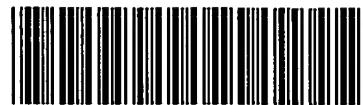


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/892,591A
Source: FW16
Date Processed by STIC: 2/1/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/01/2006

PATENT APPLICATION: US/09/892,591A

TIME: 10:59:49

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt
 Output Set: N:\CRF4\02012006\I892591A.raw

4 <110> APPLICANT: Gerngross, Tillman U.
 7 <120> TITLE OF INVENTION: METHODS FOR PRODUCING MODIFIED
 8 GLYCOPROTEINS
 10 <130> FILE REFERENCE: GFI 100
 12 <140> CURRENT APPLICATION NUMBER: US 09/892,591A
 13 <141> CURRENT FILING DATE: 2001-06-27
 15 <150> PRIOR APPLICATION NUMBER: US 60/214,358
 16 <151> PRIOR FILING DATE: 2000-06-28
 18 <150> PRIOR APPLICATION NUMBER: US 60/215,638
 19 <151> PRIOR FILING DATE: 2000-06-30
 21 <150> PRIOR APPLICATION NUMBER: US 60/279,997
 22 <151> PRIOR FILING DATE: 2001-03-30
 24 <160> NUMBER OF SEQ ID NOS: 6
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 21
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Primer A for target gene in P. pastoris
 35 (1,6-mannosyltransferase)
 37 <400> SEQUENCE: 1
 38 atggcgaagg cagatggcag t 21
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 21
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Primer B for target gene in P. pastoris
 47 (1,6-mannosyltransferase)
 49 <400> SEQUENCE: 2
 50 tttagtccttc caacttcctt c 21
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 26
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Primer A for target gene in P. pastoris (1,2
 59 mannosyltransferases)
 W--> 61 <221> NAME/KEY: misc_feature
 62 <222> LOCATION: 9, 12, 18, 21...
 63 <223> OTHER INFORMATION: n = A,T,C or G
 W--> 65 <221> misc_feature

RAW SEQUENCE LISTING DATE: 02/01/2006
 PATENT APPLICATION: US/09/892,591A TIME: 10:59:49

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt
 Output Set: N:\CRF4\02012006\I892591A.raw

66 <222> LOCATION: 3
 67 <223> OTHER INFORMATION: n = C or T
 W--> 69 <221> misc_feature
 70 <222> LOCATION: 7
 71 <223> OTHER INFORMATION: n = A or C
 W--> 73 <221> misc_feature
 74 <222> LOCATION: 15
 75 <223> OTHER INFORMATION: n = A or G
 W--> 77 <221> misc_feature
 78 <222> LOCATION: 17
 79 <223> OTHER INFORMATION: n = C or T
 W--> 81 <221> misc_feature
 82 <222> LOCATION: (21)...(21)
 83 <223> OTHER INFORMATION: n = C or T
 W--> 85 <221> misc_feature
 86 <222> LOCATION: (24)...(24)
 87 <223> OTHER INFORMATION: n = A, C or T
 W--> 89 <400> 3
 W--> 90 tantggngng tngancnnga natnaa 26
 92 <210> SEQ ID NO: 4
 93 <211> LENGTH: 20
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: Primer for target gene in P. pastoris (1,2
 99 mannosyltransferases)
 W--> 101 <221> NAME/KEY: misc_feature
 102 <222> LOCATION: 6, 12
 103 <223> OTHER INFORMATION: n = A, T, C or G
 W--> 105 <221> misc_feature
 106 <222> LOCATION: 3
 107 <223> OTHER INFORMATION: n = A or G
 W--> 109 <221> misc_feature
 110 <222> LOCATION: 14
 111 <223> OTHER INFORMATION: n = G or T
 W--> 113 <221> misc_feature
 114 <222> LOCATION: 15
 115 <223> OTHER INFORMATION: n = C or T
 W--> 117 <221> misc_feature
 118 <222> LOCATION: 18
 119 <223> OTHER INFORMATION: n = A or G
 W--> 121 <400> 4
 W--> 122 gcntcncccc ancnnntcnta 20
 124 <210> SEQ ID NO: 5
 125 <211> LENGTH: 4
 126 <212> TYPE: PRT
 127 <213> ORGANISM: Artificial Sequence
 129 <220> FEATURE:
 130 <223> OTHER INFORMATION: Signal tetrapeptide

RAW SEQUENCE LISTING DATE: 02/01/2006
PATENT APPLICATION: US/09/892,591A TIME: 10:59:49

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt
Output Set: N:\CRF4\02012006\I892591A.raw

132 <400> SEQUENCE: 5
133 His Asp Glu Leu
134 1
137 <210> SEQ ID NO: 6
138 <211> LENGTH: 4
139 <212> TYPE: PRT
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Signal tetrapeptide
145 <400> SEQUENCE: 6
146 Lys Asp Glu Leu
147 1

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/01/2006
PATENT APPLICATION: US/09/892,591A TIME: 10:59:50

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt
Output Set: N:\CRF4\02012006\I892591A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 3, 7, 9, 12, 15, 17, 18, 21, 24 /
Seq#:4; N Pos. 3, 6, 12, 14, 15, 18

VERIFICATION SUMMARY DATE: 02/01/2006
PATENT APPLICATION: US/09/892,591A TIME: 10:59:50

Input Set : A:\GFI-100 (09-892,591) Sequence Listing.txt
Output Set: N:\CRF4\02012006\I892591A.raw

L:61 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:73 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:77 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:85 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:89 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:101 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:105 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:121 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0